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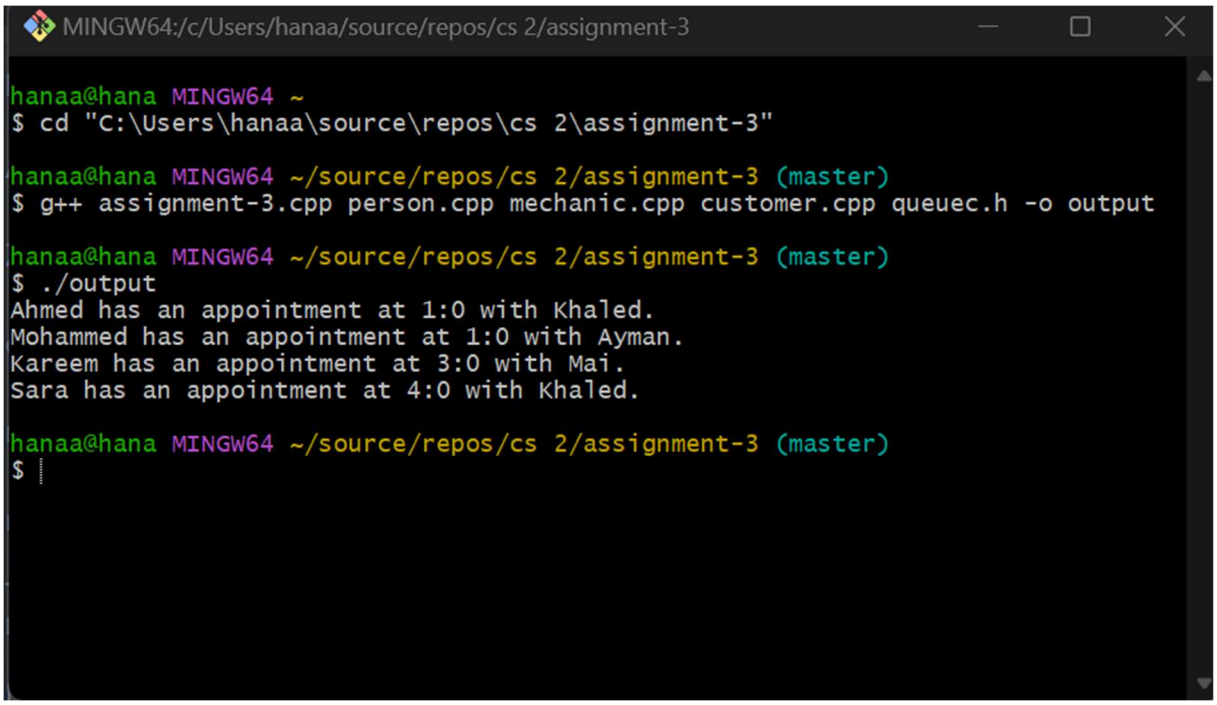
CS 2

Assignment 3 Report

Output screenshot:



I had difficulties with exceptions and memory allocation because one of my loops was an infinite loop, and it caused the compiler to call the abort () function during runtime. I fixed this error by changing the conditions of my loop that checks the availability of the mechanic.

```
for (int j = 0; j < numCustomers; j++)
{

    bool foundMech = false;
    int Index;
    for (int i = 0; i < mechAmount && !foundMech && customers[i].getmID() == -1; i++)
    {
        if (mechanics[i].isAvailable(customers[j].getApt())) //if the mechanic is available for the customers appointment time
        {
            int Index = j % mechAmount;
            mechanics[Index].setApoint(customers[j].getApt()); //sets appointment to the mechanic's array of appointments
            customers[j].setmID(Index);
            foundMech = true; // mechanic available
        }
    }
}
```

The problem was with the index values of the separate arrays

Other than that I had no issues